

# STN SEARCH TRANSCRIPT

Connecting via Winsock to STN SN 10/828,353

Welcome to STN International! Enter x:X

LOGINID:ssspat1623zct

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 MAY 10 CA/Capplus enhanced with 1900-1906 U.S. patent records  
NEWS 5 MAY 11 KOREAPAT updates resume  
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/Capplus and  
USPATFULL/USPAT2  
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/Capplus  
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 13 JUL 14 FSTA enhanced with Japanese patents  
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive  
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced  
NEWS 17 AUG 30 CA(SM)/Capplus(SM) Austrian patent law changes  
NEWS 18 SEP 11 CA/Capplus enhanced with more pre-1907 records  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 10:38:39 ON 15 SEP 2006

=> FILE REG

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:39:20 ON 15 SEP 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 14 SEP 2006 HIGHEST RN 906714-10-1  
DICTIONARY FILE UPDATES: 14 SEP 2006 HIGHEST RN 906714-10-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

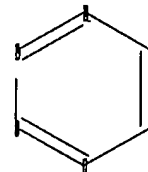
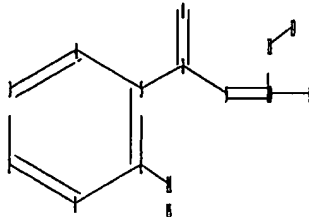
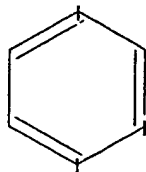
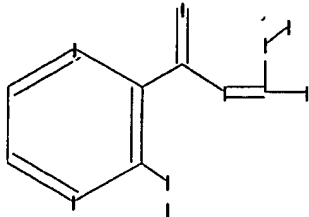
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\SODIUM CHANNEL PYRAZINE DIV - 1.str

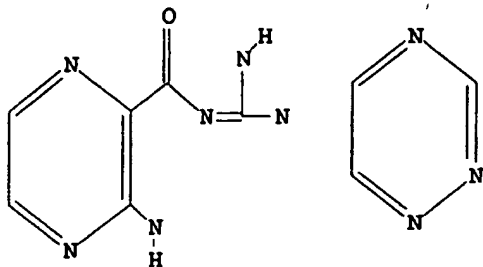


chain nodes :  
7 8 9 10 11 12 13 14 15  
ring nodes :  
1 2 3 4 5 6 17 18 19 20 21 22  
chain bonds :  
5-7 6-14 7-8 7-9 9-10 10-11 10-12 11-13 14-15  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22  
exact/norm bonds :  
6-14 7-8 7-9 9-10 10-11 10-12  
exact bonds :  
5-7 11-13 14-15  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22  
isolated ring systems :  
containing 1 : 17 :

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 17:Atom 18:Atom 19:Atom  
20:Atom 21:Atom 22:Atom

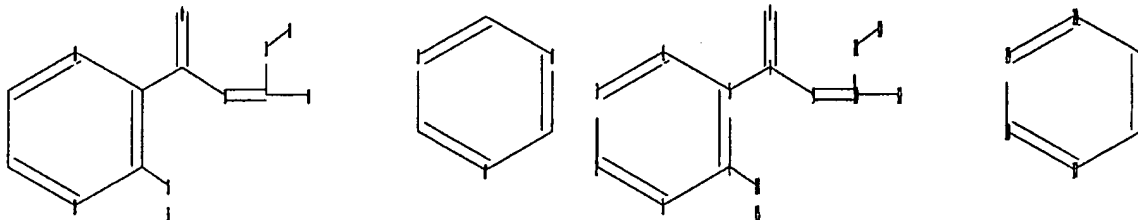
L1 STRUCTURE UPLOADED

=> D L1  
 L1 HAS NO ANSWERS  
 L1 STR



Structure attributes must be viewed using STN Express query preparation.

=>  
 Uploading C:\Program Files\Stnexp\Queries\SODIUM CHANNEL PYRAZINE DIV - 2.str

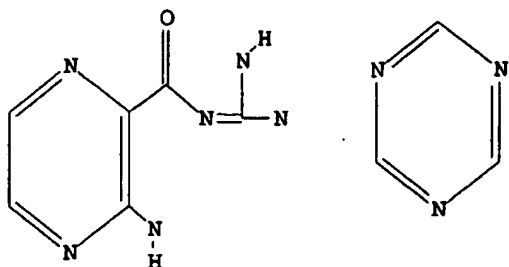


chain nodes :  
 7 8 9 10 11 12 13 14 15  
 ring nodes :  
 1 2 3 4 5 6 17 18 19 20 21 22  
 chain bonds :  
 5-7 6-14 7-8 7-9 9-10 10-11 10-12 11-13 14-15  
 ring bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22  
 exact/norm bonds :  
 6-14 7-8 7-9 9-10 10-11 10-12  
 exact bonds :  
 5-7 11-13 14-15  
 normalized bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22  
 isolated ring systems :  
 containing 1 : 17 :

Match level :  
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 17:Atom 18:Atom 19:Atom  
 20:Atom 21:Atom 22:Atom

L2 STRUCTURE UPLOADED

=> D L2  
 L2 HAS NO ANSWERS  
 L2 STR



Structure attributes must be viewed using STN Express query preparation.

=> S L1

SAMPLE SEARCH INITIATED 10:40:01 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 0 TO 0  
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1

=> S L2

SAMPLE SEARCH INITIATED 10:40:04 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2 TO 124  
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L2

=> S L1 SSS FULL

FULL SEARCH INITIATED 10:40:08 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L5 0 SEA SSS FUL L1

=> S L2 SSS FULL

FULL SEARCH INITIATED 10:40:13 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 98 TO ITERATE

100.0% PROCESSED 98 ITERATIONS 2 ANSWERS  
SEARCH TIME: 00.00.01

L6 2 SEA SSS FUL L2

=> FILE CAPLUS

COST IN U.S. DOLLARS SINCE FILE TOTAL

FULL ESTIMATED COST

ENTRY      SESSION  
333.88      334.09

FILE 'CAPLUS' ENTERED AT 10:40:17 ON 15 SEP 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 15 Sep 2006 VOL 145 ISS 13  
FILE LAST UPDATED: 14 Sep 2006 (20060914/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> S L6

L7                      2 L6

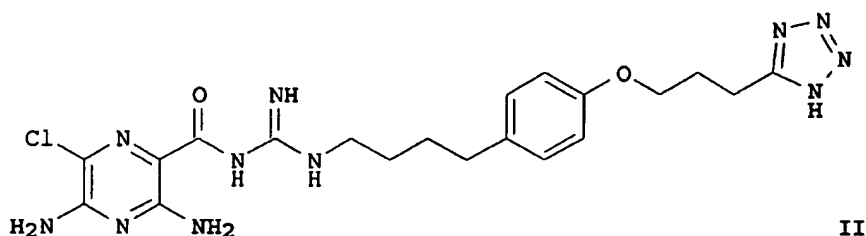
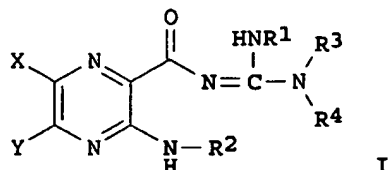
=> D 1-2 IBIB ABS HITSTR

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER:            2005:346797 CAPLUS  
DOCUMENT NUMBER:            142:411366  
TITLE:                      Preparation of pyridazinylcarbonyl-substituted ureas  
                             used for reducing risk of infection from pathogens  
INVENTOR(S):                Johnson, Michael R.; Hopkins, Samuel E.  
PATENT ASSIGNEE(S):        Parion Sciences, Inc., USA  
SOURCE:                      PCT Int. Appl., 218 pp.  
                             CODEN: PIXXD2  
DOCUMENT TYPE:               Patent  
LANGUAGE:                    English  
FAMILY ACC. NUM. COUNT:    4  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2005034847	A2	20050421	WO 2004-US26963	20040819
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005090505	A1	20050428	US 2004-920626	20040818
AU 2004279329	A1	20050421	AU 2004-279329	20040819
CA 2533886	AA	20050421	CA 2004-2533886	20040819
EP 1656096	A2	20060517	EP 2004-809587	20040819
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR  
 US 2006205738 A1 20060914 US 2005-211707 20050826  
 PRIORITY APPLN. INFO.: US 2003-496481P P 20030820  
 US 2004-920626 A 20040818  
 US 2003-495712P P 20030818  
 US 2003-495720P P 20030818  
 US 2003-495725P P 20030818  
 US 2004-920410 A3 20040818  
 WO 2004-US26963 W 20040819

OTHER SOURCE(S): MARPAT 142:411366  
 GI



AB Title compds. I [X = H, halo, CF<sub>3</sub>, etc.; Y = H, OH, SH, etc.; R<sub>1</sub> = H, alkyl; R<sub>2</sub> = alkoxy, etc.; R<sub>3-4</sub> = H, alkyl, OH, alkyl, Ph, etc.] are prepared For instance, II is prepared in 4 steps from [4-(4-hydroxyphenyl)butyl]carbamic acid benzyl ester (preparation given), 4-bromobutyronitrile and 1-(3,5-diamino-6-chloropyrazine-2-carbonyl)-2-methylisothiourea•HI. II has EC<sub>50</sub> = 25 nM in a sodium channel blocker assay. I are useful for prophylactic treatment to one or more members of a population at risk of exposure to or already exposed to one or more airborne pathogens, either from natural sources or from intentional release of pathogens into the environment.

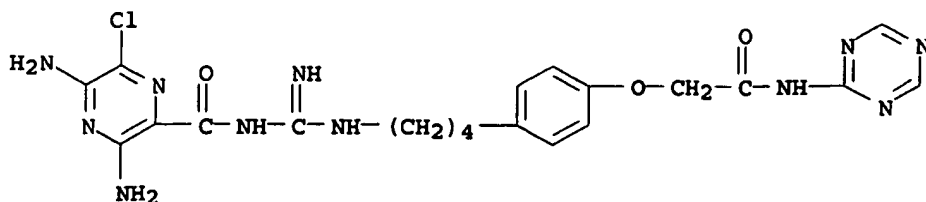
IT 847200-88-8P 847200-89-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyridazinylcarbonyl-substituted ureas used for reducing risk of infection from pathogens)

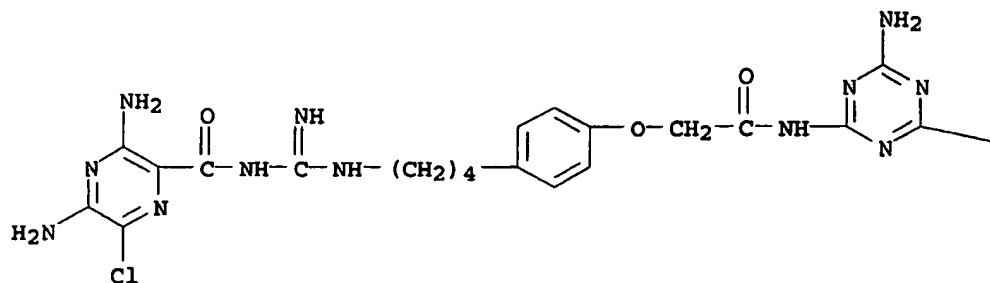
RN 847200-88-8 CAPLUS

CN Pyrazinecarboxamide, 3,5-diamino-6-chloro-N-[imino[[4-[4-[2-oxo-2-(1,3,5-triazin-2-ylamino)ethoxy]phenyl]butyl]amino]methyl]- (9CI) (CA INDEX NAME)



RN 847200-89-9 CAPLUS  
 CN Pyrazinecarboxamide, 3,5-diamino-6-chloro-N-[[[4-[4-[2-[(4,6-diamino-1,3,5-triazin-2-yl)amino]-2-oxoethoxy]phenyl]butyl]amino]iminomethyl]- (9CI)  
 (CA INDEX NAME)

PAGE 1-A



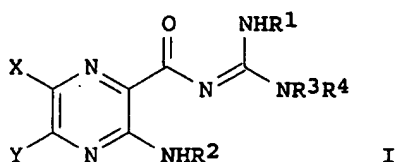
PAGE 1-B

NH<sub>2</sub>

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:177896 CAPLUS  
 DOCUMENT NUMBER: 142:280225  
 TITLE: Preparation of capped aminopyrazinoylguanidines as sodium channel blockers  
 INVENTOR(S): Johnson, Michael R.; Molino, Bruce F.; Zhang, Jianzhong; Sargent, Bruce J.  
 PATENT ASSIGNEE(S): Parion Sciences, Inc., USA  
 SOURCE: PCT Int. Appl., 100 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005018644	A1	20050303	WO 2004-US26885	20040818
WO 2005018644	B1	20050512		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004266704	A1	20050303	AU 2004-266704	20040818
CA 2534682	AA	20050303	CA 2004-2534682	20040818

US 2005080091	A1	20050414	US 2004-920410	20040818
US 7064129	B2	20060620		
EP 1663235	A1	20060607	EP 2004-781545	20040818
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
US 2005234072	A1	20051020	US 2005-131262	20050518
US 2005228182	A1	20051013	US 2005-138280	20050527
US 2006052394	A1	20060309	US 2005-211422	20050826
US 2006052395	A1	20060309	US 2005-211660	20050826
US 2006205738	A1	20060914	US 2005-211707	20050826
PRIORITY APPLN. INFO.:			US 2003-495725P	P 20030818
			US 2004-920410	A1 20040818
			WO 2004-US26885	W 20040818
OTHER SOURCE(S):		MARPAT 142:280225		
GI				



AB Title compds. [I; X = H, halo, CF<sub>3</sub>, alkyl, (substituted) Ph, etc.; Y = H, OH, SH, alkoxy, alkylthio, halo, alkyl, (substituted) aryl, etc.; R<sub>1</sub> = H, alkyl; R<sub>2</sub> = R<sub>7</sub>, (CH<sub>2</sub>)<sub>m</sub>OR<sub>8</sub>, (CH<sub>2</sub>)<sub>m</sub>NR<sub>7</sub>R<sub>10</sub>, (CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>R<sub>8</sub>, etc.; m = 1-7; R<sub>3</sub>, R<sub>4</sub> = H, alkyl, hydroxyalkyl, Ph, phenylalkyl, naphthylalkyl, pyridylalkyl, etc.; R<sub>7</sub> = H, alkyl, (substituted) Ph, etc.; R<sub>8</sub> = H, alkyl, 2-tetrahydropyranyl, glucuronide, etc.; R<sub>10</sub> = H, SO<sub>2</sub>Me, COR<sub>13</sub>, CO<sub>2</sub>R<sub>13</sub>, etc.; R<sub>13</sub> = H, R<sub>7</sub>, R<sub>10</sub>, etc.; with provisos], were prepared Thus, [4-(4-hydroxyphenyl)butyl]carbamic acid benzyl ester in EtOH at 70° was treated with oxiranylmethanol over 4 h to give 4.6% [4-[4-[3-(2,3-dihydroxypropoxy)-2-hydroxypropoxy]phenyl]butyl]carbamic acid benzyl ester. This was hydrogenolyzed in EtOH over Pd/C to give 51% 3-[3-[4-(4-aminobutyl)phenoxy]-2-hydroxypropoxy]propane-1,2-diol. The latter was stirred with Et<sub>3</sub>N and 1-(3,5-diamino-6-chloropyrazine-2-carbonyl)-2-methylisothiourea hydroiodide in EtOH at 65° to give 36% N-(3,5-diamino-6-chloropyrazine-2-carbonyl)-N'-[4-[4-[3-(2,3-dihydroxypropoxy)-2-hydroxypropoxy]phenyl]butyl]guanidine (PSA 15143). The latter showed Na channel blocking activity with EC<sub>50</sub> = 7 nM.

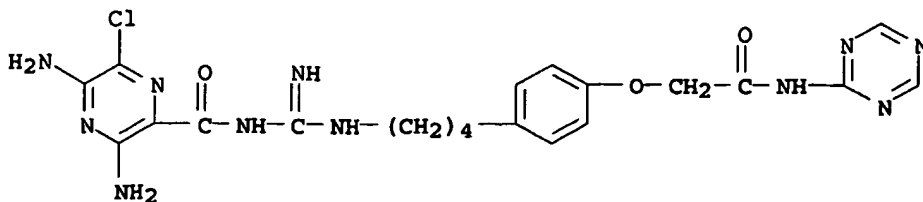
IT 847200-88-8P 847200-89-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(claimed compound; preparation of aminopyrazinoylguanidines as sodium channel blockers)

RN 847200-88-8 CAPLUS

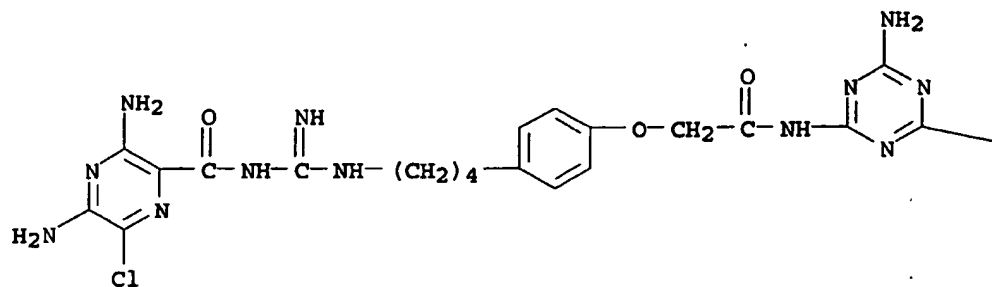
CN Pyrazinecarboxamide, 3,5-diamino-6-chloro-N-[imino[[4-[4-[2-oxo-2-(1,3,5-triazin-2-ylamino)ethoxy]phenyl]butyl]amino]methyl]- (9CI) (CA INDEX NAME)





RN 847200-89-9 CAPLUS  
 CN Pyrazinecarboxamide, 3,5-diamino-6-chloro-N-[[[4-[4-[2-[(4,6-diamino-1,3,5-triazin-2-yl)amino]-2-oxoethoxy]phenyl]butyl]amino]iminomethyl]- (9CI)  
 (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

NH<sub>2</sub>

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> LOG HOLD

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

10.68

344.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.50

-1.50

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 10:40:57 ON 15 SEP 2006